

Calculation of Intercavity Coupling Coefficient for Side Coupled Standing Wave Linear Accelerator (Short Papers)

R. Roy and O. Shanker. "Calculation of Intercavity Coupling Coefficient for Side Coupled Standing Wave Linear Accelerator (Short Papers)." 1993 Transactions on Microwave Theory and Techniques 41.6 (Jun./Jul. 1993 [T-MTT]): 1233-1235.

Expressions are developed for the main to side cavity coupling coefficient of a side coupled standing wave linac structure and for the shift in cavity resonant frequency produced by the coupling iris. The theoretical predictions show reasonable agreement with the measured values.

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